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TI: Magnetic rail attachment mechanism for magnetic levitation transit system has liner inserted to adjust level of magnetic rail between rail hanger and L-shaped iron, upon installation to support body of rail

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AB: The mechanism has a support body (54) that supports a magnetic rail (33) having an iron board laminated configuration. An iron board (331) laminated by the configuration is inserted in the perpendicular piece (333) of an L-shaped iron (332) from both sides and is tightened between the pieces by a bolt nut (334). The level of the rail is adjusted between a rail hanger (336) that supports an L-shaped iron (332), and the iron through the insertion of a liner (339).; Enables precise adjustment of space of rail and electromagnet thus secures proper transit of vehicle in magnetic levitation transit system. Reduces eddy current. Prevents deformation of rail due to thermal expansion.

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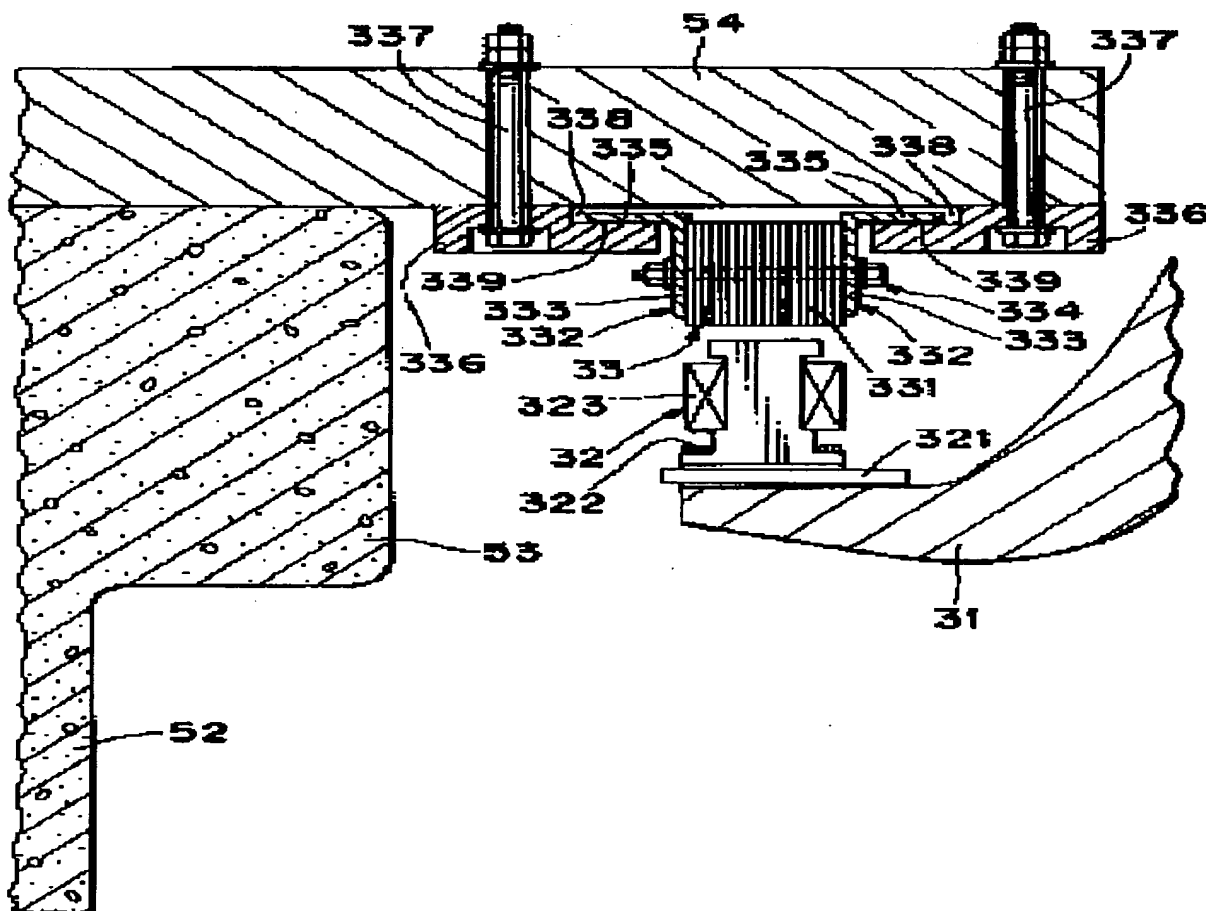
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(54) MAGNETIC RAIL FITTING MECHANISM IN MAGNETIC LEVITATION MOVING SYSTEM

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a magnetic levitation moving system capable of adjusting the level of rails accurately even after installation, and capable of absorbing the deformation of the rails caused by thermal expansion.

SOLUTION: A magnetic rail 33 has a laminated iron plates structure constituted by laminating iron plates 331 stretching in the vertical direction and in a moving direction, and this laminated iron-plate rail 331 is interposed between the vertical sections 333 of L-shaped steels 332. And it is fastened tight with through bolts and nuts from the outsides of the vertical sections 333 of the L-shaped steels 332 put on both sides, and the magnetic rail 33 of laminated iron plate structure is provided in a state of being united into a body with the L-shaped steels 332. The top horizontal sections 335 of the L-shaped steels are put in spaces formed with a supporting substance 54 and stretching in the horizontal directions, and by doing this way the L-shaped steels 332 are supported with rail hangers 336. Be-

tween the rail hangers 336 and the L-shaped steels 332 liners 339 are inserted for adjusting the level of the rails 331.

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